The Chain of Responsibility Pattern

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Overview

Classification: Behavioral

Process incoming requests

Common in GUI applications

Simulate with list of requests

Try a naïve approach

Look at the issues

Implement the C of R pattern

Demo

Request processor for pets

– Depends on type of pet

Use a Python list for incoming requests

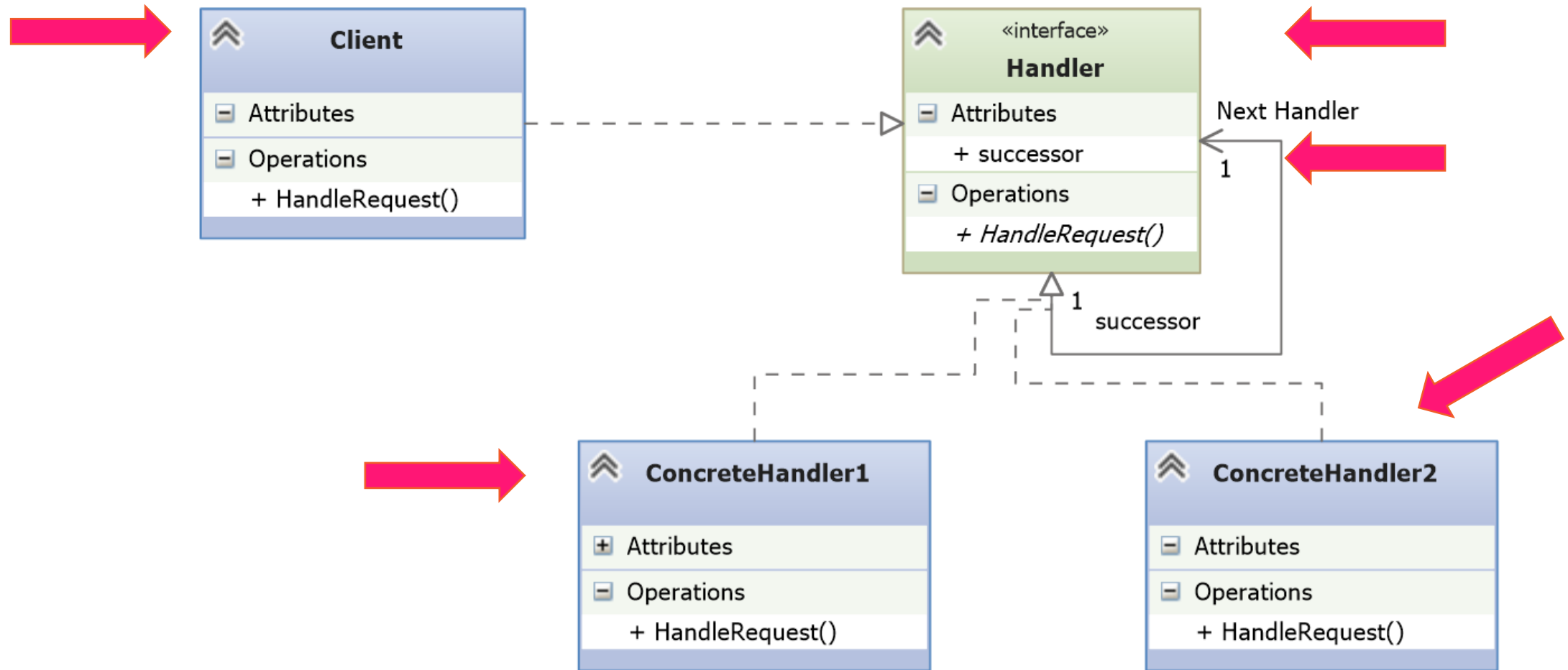**Naïve implementation**

Chain of Responsibility

Decouple requests from handlers

Let multiple handlers see each request

Use a chain of handlers

Chain of Responsibility Pattern Structure

Demo

Re-implement pet handlers

Use Chain of Responsibility pattern

Demo

Use a list of handlers

Summary

Decouple requests from handlers

Let multiple handlers see each request

Classic implementation: linked objects

Second approach: use a list of handlers

Third approach: Composite pattern